

Product SKU: 81940.99.01

Product Description: Carol® Brand Industrial-Grade Cable, Super Vu-Tron®, Diesel Locomotive Cable, 2000 Voltss DLO, 90°C, UL RHH/RHW 600 Voltss CSA R90 1000 Volts, Conductor Size (AWG/kcmil): 4/0, Conductor/Strands: 551/24 - Black - Factory Reel

Product Category: Cord and Mining - Carol® Brand Industrial Cord Products - Super Vu-Tron®-Diesel Locomotive Cable - Black



Product Construction:

Brand Name:	• Super Vu-Tron®
Type:	• Diesel Locomotive Cable(1)
Volts:	• 1000 Volt • 2000 Volts • 600 Volt
Temperature:	• 90°C
Conductor:	• Stranded tinned annealed bare copper per AAR 589
Insulation:	• Premium-grade 90°C EPDM
Jacket:	• Chlorinated polyethylene (CPE), Black
Jacket Color:	• Black
Jacket Marking:	• SIZE 777MCM ONLY CAROL SUPER VU-TRON® E194120 C(UL) TYPE RHW-2 2KV VW-1 FOR CT USE TYPE DLO 2000V 90°C MSHA NOTE: (535.3, 646.4, and 777.7 MCM marked (UL) RHH or RHW 2000 VOLTS) • SIZES 1/0 THROUGH 646.4 - CAROL SUPER VU-TRON® (SIZE) 90°C DLO 2000 VOLTS P-7K-123040 MSHA CSA R90 1000V (-40°C) FT-1 (UL) RHH or RHW 600 VOLTS SUNLIGHT RESISTANT FOR CT USE • SIZES 10 THROUGH 1 AWG - CAROL SUPER VU-TRON® (SIZE) (STRANDING) 90°C DLO 2000 VOLTS P-7K-123040 MSHA CSA R90 1000V (UL) RHH or RHW 600 VOLTS

Product Specification:

No. of Conductors:	• 1
Conductor Size (AWG/kcmil):	• 4/0
Conductor Strand:	• 551/24
Nominal Insulation Thickness (in):	• 0.080
Nominal Insulation Thickness (mm):	• 2.03
Nominal Outside Diameter (in):	• 0.87
Nominal Outside Diameter (mm):	• 22.10

Current AMPS 2:	• 260
Current AMPS 4:	• 400
Approximate Net Weight (lbs per 1,000 ft):	• 930
Standard Packaging:	• Per order length (pol)
UPC #:	• 079407019403
Footnote:	<ul style="list-style-type: none"> • Actual shipping weight may vary. • Ampacities based on 90°C Conductor and 30°C Ambient temperature based on Table 310-16 in the National Electric Code® for RHH/RHW with not more than 3 current carrying conductors in raceway, cable or earth. • Ampacities based on single conductor in free air, 90°C conductor temperature and 40°C Ambient temperature per ICEA S-75-381.
SCC-14:	• 50079407019400
Weight Per Unit of Measure:	• .915
Conductor Size (AWG):	• 4/0
ColorOption:	• Black

Product Information:

Applications:	<ul style="list-style-type: none"> • Diesel electric locomotives • Mining and earth moving equipment • Motor leads • Oil and gas drilling rigs • Shipyards • Telecom power supply • Where flexible power leads must be installed in conduit or raceways
Compliances:	<ul style="list-style-type: none"> • CSA R90 • MSHA Approved • UL Listed
Features:	<ul style="list-style-type: none"> • 90°C temperature rating • Excellent impact and abrasion resistance • Flexible tinned copper stranding • Resists oils, acids, alkalies, heat, flame
Packaging:	• Lengths cut to order

Technical Specifications

[Voltage Drop Calculations](#)

[Unit Conversion Factors](#)

[Insulation and Jacket Properties](#)

[Temperature Conversion Chart](#)

[AWG to Metric Conversion Chart and Common Wire Conductor Str](#)

[Government and Military Wire and Cable Specifications](#)

[Installation and Engineering Information](#)

[Glossary](#)

[Mining Cable Application Guide](#)

[Why and How Mining Cable Fail](#)



**CAROL
BRAND**



March 25, 2002

Mike Lakin
Stokes Electric Company
1701 McCalla Avenue
Knoxville, Tn. 37915

Subject: GCC DLO for CT use

Dear Mr. Lakin:

In response to your query concerning the ability of General Cable #4/0 AWG DLO product to pass the UL vertical tray flame test in accordance with sections 4-11 of UL standard 1685, please be advised that General Cable obtained UL listing to print "for CT use" on products #1/0 AWG and larger. This listing indicates that the product was tested to and met the UL flame test requirements. General Cable #4/0 AWG DLO Pt# 81940 has the "for CT use" printed on the product indicating UL test compliance.

Should you have any further questions please do not hesitate to call.

Sincerely,

Samuel B. Friedman
Technical Director

Cc: Mike Ashworth